The average temperature of the Universe is?

2.73 Kelvin (3 Kelvin acceptable)

correct: move ahead 2 spaces
wrong: stay where you are

These are found in the middle of planetary nebulae

white dwarfs

correct: move ahead 2 spaces
wrong: go back one space

Temperature extremes are measured using this scale

Kelvin

correct: move ahead 1 space
wrong: go back one space

The approximate Celsius temperature for 0 K is

-273^{0} C

correct: move ahead 2 spaces
wrong: stay where you are

The temperature that must be reached in order to start nuclear fusion

15 Million degrees Kelvin
correct: move ahead 1 space
wrong: go back one space

Helium fuses at what temperature

100 million degrees Kelvin

correct: move ahead 2 spaces
wrong: stay where you are

A main sequence star like our sun will begin to collapse when all the _____ is burned?

hydrogen
correct: move ahead 1 space
wrong: go back one space

Fusion cannot occur past iron because –
energy is used rather than released

correct: move ahead 1 space
wrong: go back one space

Massive stars will continue the fusion process until what element is created.

Iron
correct: move ahead 1 space
wrong: go back one space

Observers looking at an object moving away see light that has a longer wavelength than it had when it was emitted. This is called a redshift
correct: move ahead 1 space
wrong: go back one space

Observers looking at an approaching source see light that is shifted to shorter wavelengths. This is called: blueshift.
correct: move ahead 1 space
wrong: go back one space

The abbreviation for astronomical unit is

a.u.

correct: move ahead 2 spaces
wrong: stay where you are

The method to determine whether an object is moving toward you or away by analyzing a spectrum is the Doppler shift or effect.
correct: move ahead 1 space
wrong: go back one space

Most heavy elements in our universe are created through supernovae explosions

correct: move ahead 1 space
wrong: go back one space

If the mass limit is exceeded for a neutron star it becomes a

black hole.

correct: move ahead 1 space
wrong: go back one space

Stars are formed from material in

nebulae.

correct: move ahead 1 space
wrong: go back two spaces

Give an example of a baryon.

Protons or neutrons

correct: move ahead 2 spaces
wrong: stay where you are